

Comparisons of Job Characteristics

Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)
Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.8	16.8	>	Current knowledge level is likely sufficient
Mathematics	9.2	13.5	11.5	<	Expanded education and/or training may be required
Physics	4.3	13.2	9.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.7	11.8	0	Current knowledge level may be sufficient
Chemistry	4.8	12.6	7.1	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.1	8.6	<	Expanded education and/or training may be required
Biology	3.7	10.9	1.3	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.8	10.1	0	Current knowledge level may be sufficient
Building and Construction	4.0	10.0	4.3	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	11.9	12.6	0	Current skill level may be sufficient
Operation and Control	5.4	11.4	11.6	0	Current skill level may be sufficient

Quality Control Analysis	5.9	10.3	9.5	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.3	9.7	0	Current skill level may be sufficient
Troubleshooting	4.5	9.3	9.0	0	Current skill level may be sufficient
Repairing	3.4	9.0	9.6	0	Current skill level may be sufficient
Equipment Selection	3.3	7.4	5.8	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 82			
Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071) Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Perceptual Speed	7.4	9.8	10.1	0	Current ability level may be sufficient
Depth Perception	5.3	8.0	7.1	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	7.1	5.6	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	6.9	5.0	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	6.9	7.6	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	5.4	4.7	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 97
Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071) Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Control operation of compressors	76	
Maintain consistent production quality	50	
Maintain or repair industrial or related equipment/machinery	39	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	
Operate chemical processing equipment	77	
Operate power driven pumps	66	
Operate power generation equipment	84	
Test materials or solutions	73	

Use hand or power tools	2
Use laboratory equipment	60

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071) Associated Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)		
Tools and Technologies		Exclusivity
Tools and technology data is unavailable for one or both occupations.		

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.